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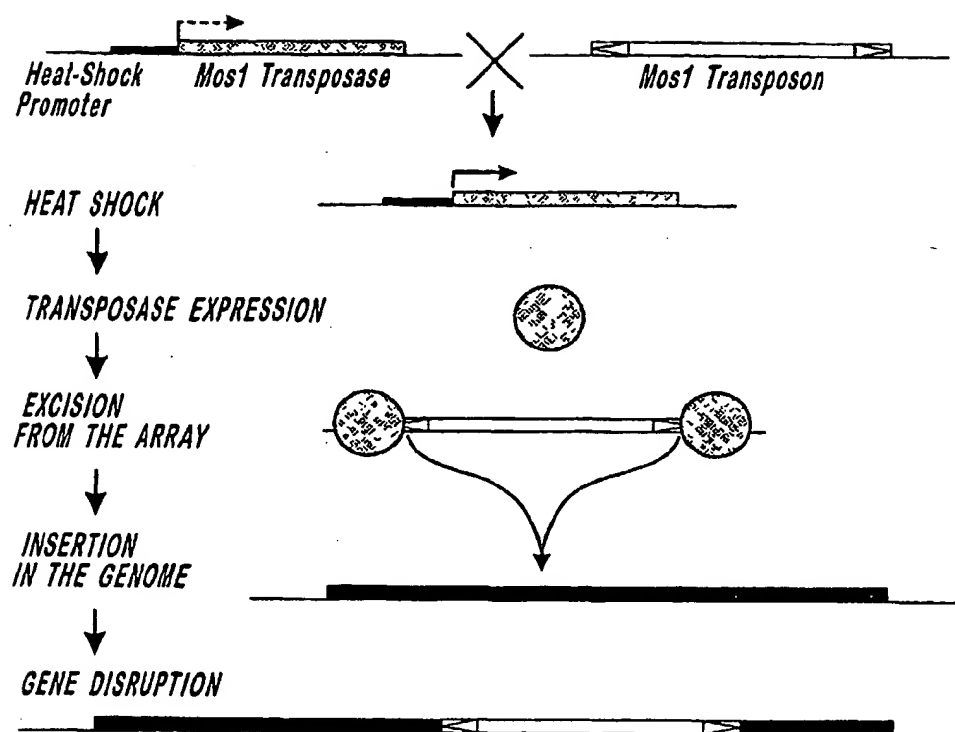


Fig. 1

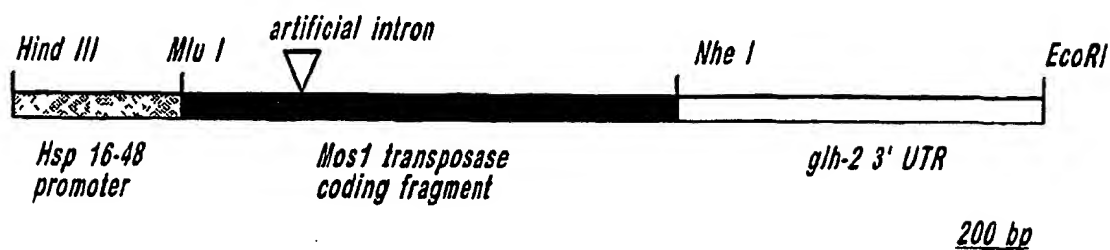


Fig. 2

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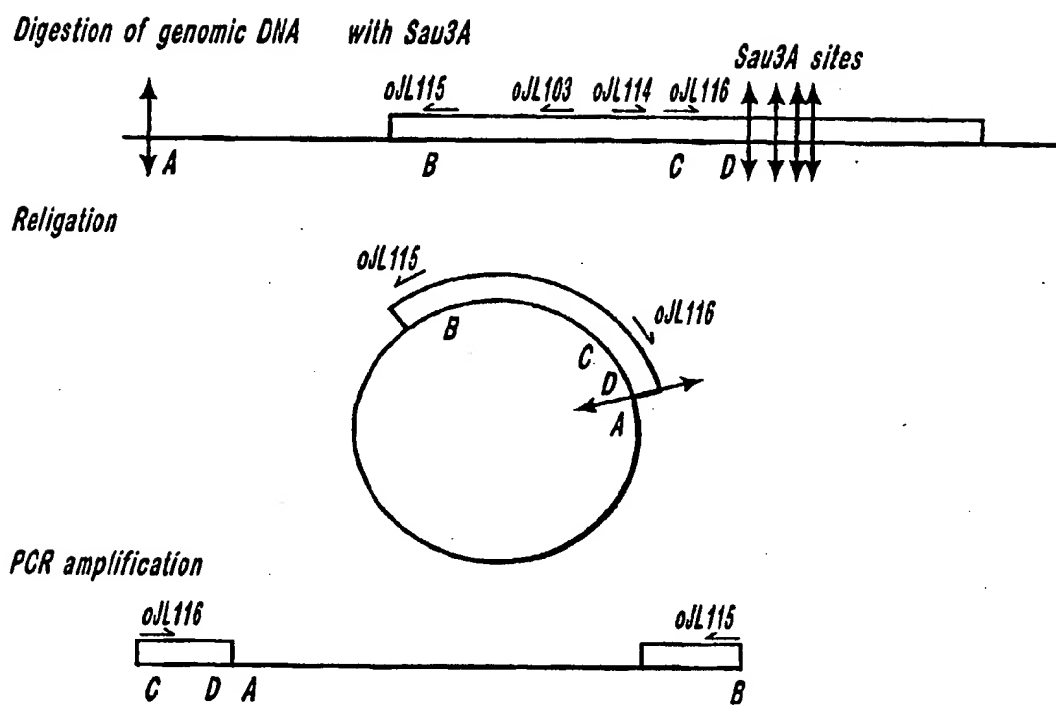


Fig. 3

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(Most left end)

CAGTCAAGGTTGACACTTACAAGGTCAAAGTTTATGACAATCGATAAATATTACGTT
TGCGAGACATCTATATGTTGGAACCGACATTCCCTACTTGTACACCTGGtaaatgaaag
ctggtgacgtggagattacgtcccccgtataaaattattgcgaaatatgcaacgggtggccg
agaaaaatcccgacccccgtcgaccccgacacgggttgattctcagtgacggtcgatacAA
CAAAAAGATCCATTTTTCATCTCCAGTAAACGATACGATGCAAAAACGACTTCCTTTTG
TATCGTGAAAGCAAAAATTTCGCATGTGTTTTTGCGGCCCTCTCCATCTGCCCTCT

Fig. 4

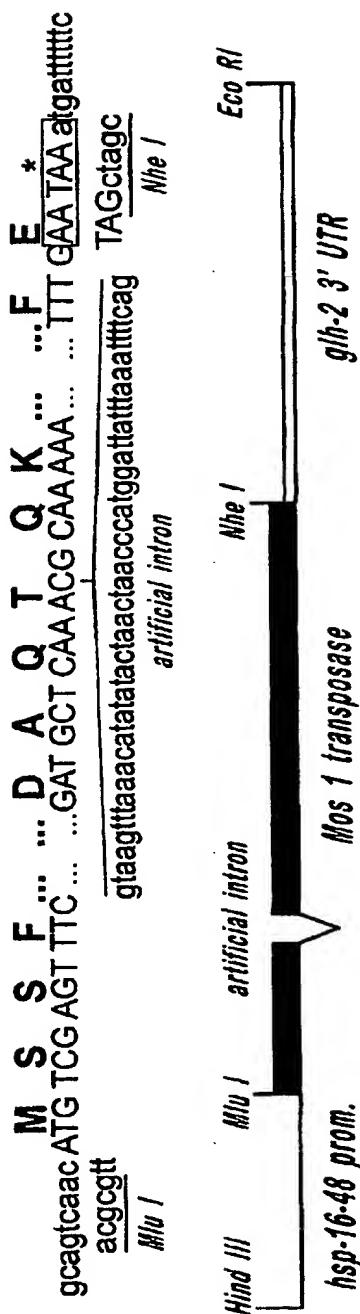


Fig. 5A

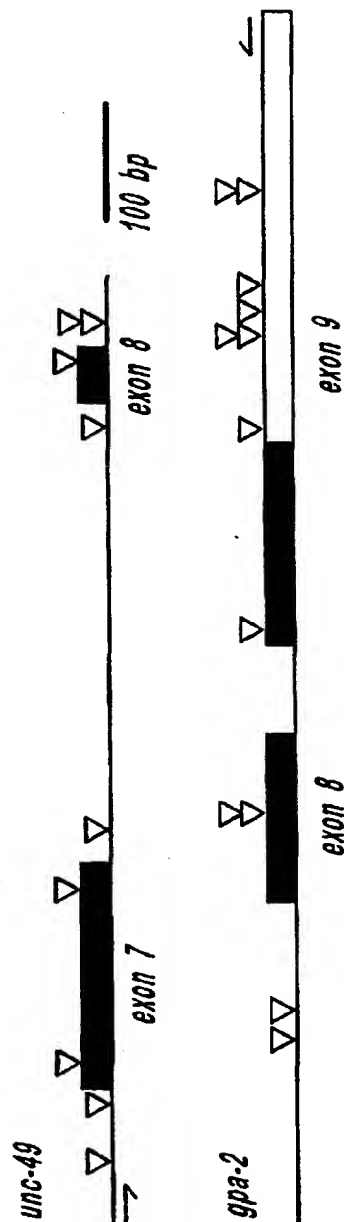


Fig. 5B

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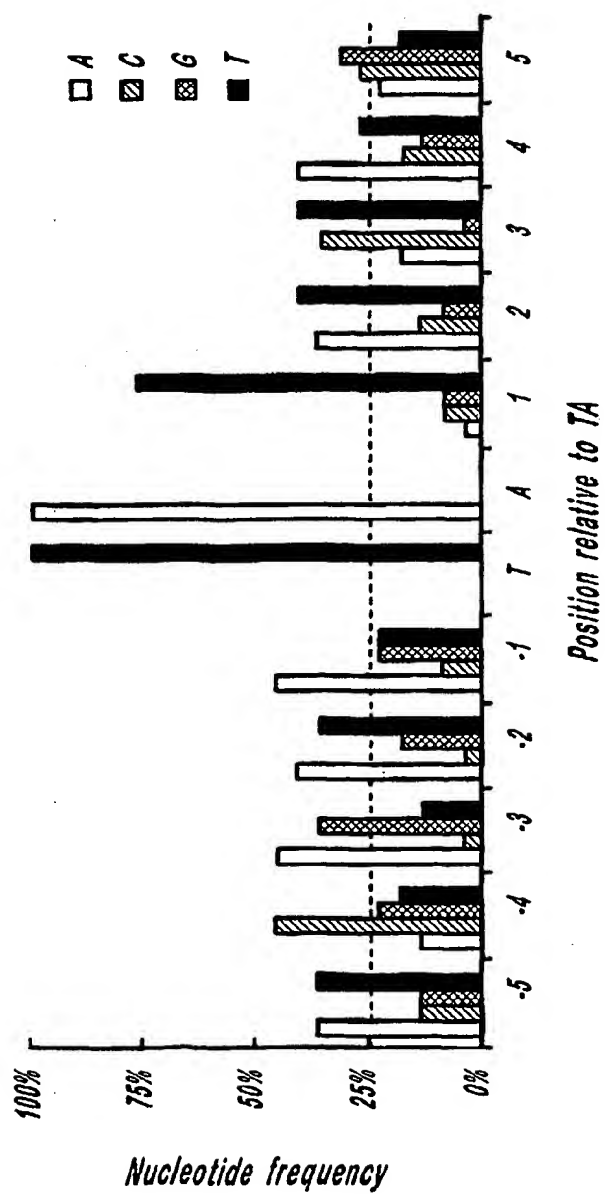


Fig. 5C

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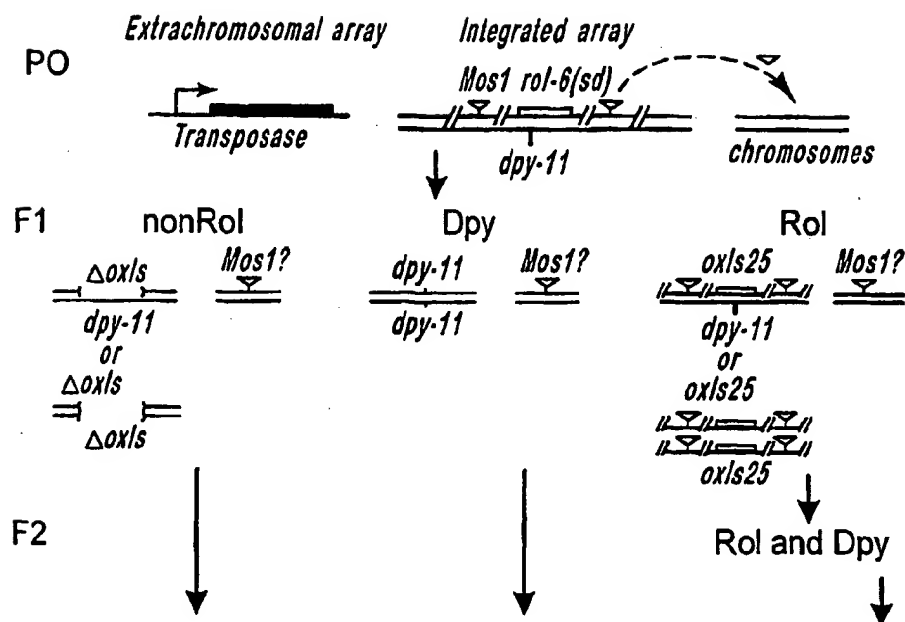


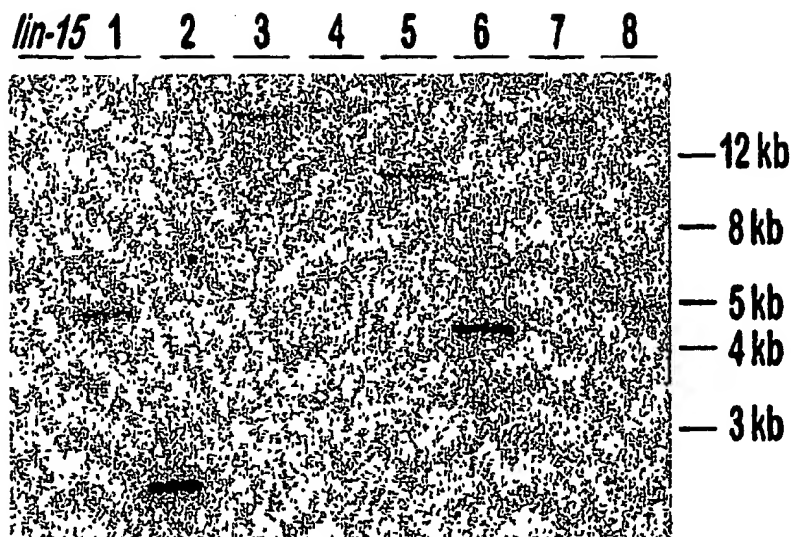
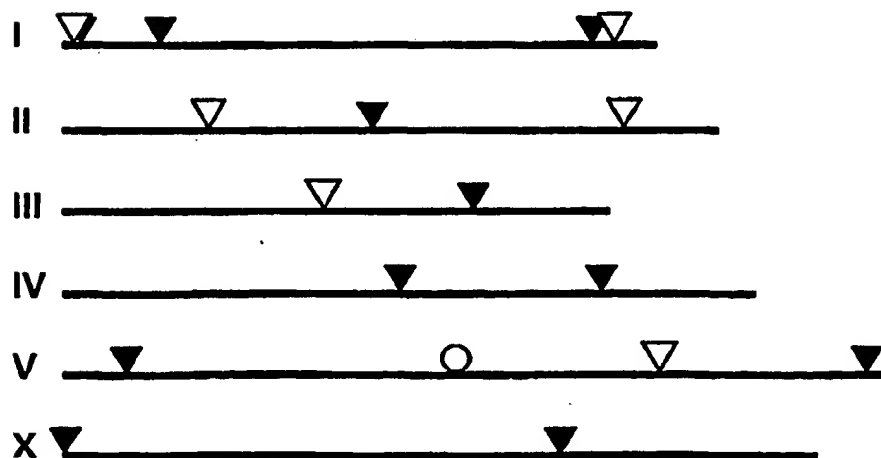
Fig. 6A

Exp'n vector	Exp.	nonRol/ Rols+nonRol	Insertions/ nonRol	Insertions/ F1 Dpys	<i>dpy-11 oxIs</i> Recomb./ F1 Dpys	Insertions/ F2 Dpys	<i>dpy-11 oxIs</i> Recomb./ F2 Dpys
none		3/691 0.43%	ND	ND	0/92 0%	ND	ND
<i>glh-2</i>	#1	541/4078 13.3%	2/188 1.1%	ND		ND	
	#2	138/651 21.2%	ND	2/39 5%	0/39 0%	2/17 11%	2/19 10%
	#3	250/1191 20.8%	0/39 0%	0/35 0%	2/37 5%	7/25 28%	2/27 7%
	total	929/5920 15.7%	2/227 0.9%	2/74 3%	2/76 3%	9/42 21%	4/46 9%
<i>hsp</i>	#1	4/1048 0.38%*	ND	ND		6/24 25%	4/24 17%
	#2	0/41 0.00%*	ND	0/13 0%	0/13 0%	4/17 23%	0/17 0%
	#3	1/140 0.71%*	ND	7/20 35%	1/20 5%	8/20 40%	3/20 15%
	total	5/1229 0.41%*	ND	7/33 21%	1/33 3%	18/61 30%	7/61 11%

* number of nonRol progeny does not significantly differ from control lacking a transposase expressing construct (3/691, 0.43%).

Fig. 6B

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*Fig. 7A**Fig. 7B*

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oxTi1 GTTAGCGACGAGTGACATAccagggtgtac.....gtacacctgaTAATTCTCCGAAAGCTTCAG
oxTi2 TCGATAAATAAATTATTTTAccagggtgtac.....gtacacctgaTAATTCTATCCAAAAATCGC
oxTi3 AAAGTAGTGGATGCGATATAccagggtgtac.....gtacacctgaTAATAAGAGAGGCGAAGGAT
oxTi4 TCCTCTTTCCAGACGAGTAccagggtgtac.....gtacacctgaTAATATCCTTTTGTTCCTTGC
oxTi5 GTCGGACAATCAGAAGTGTAccagggtgtac.....gtacacctgaTAAGAACTAAAGGACACCG
oxTi6 TTGAACAATAAATACTAATAAccagggtgtac.....gtacacctgaTATTGTTGTCCTCAAGATTT
oxTi8 GACGCAATAATCCACAATAAccagggtgtac.....gtacacctgaTAATTTCCCGACTCTTACA
oxTi9 CCCTCTCCAATAGTCTAGTAccagggtgtac.....gtacacctgaTAAATGTCATCAGAATTCA
oxTi11 ACCAAAGCAAAACACTTAccagggtgtac.....gtacacctgaTAACCAAATGATGGGTGGCA

Fig. 7C

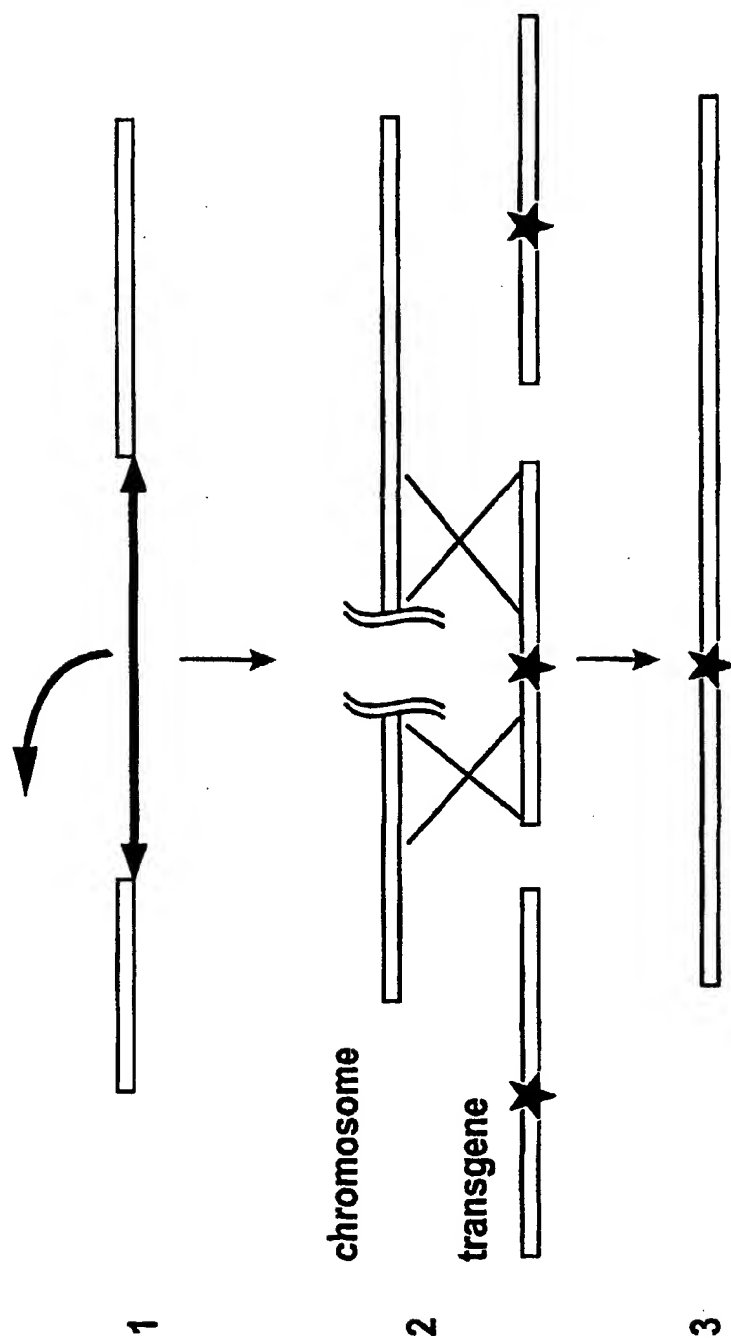


Fig. 8